

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

FIRST NAMED INVENTOR: Steve W. Braun

47
6/18/02
arw

JC986 U.S. PTO
09/820973
03/29/01



ORIGINAL PATENT NO.: 5,898,801

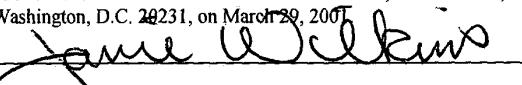
ORIGINAL PATENT ISSUE
DATE: 04/27/99

FOR: OPTICAL TRANSPORT SYSTEM

ATTORNEY DOCKET NO.: L6780/251099

Assistant Commissioner for
Patents
BOX REISSUE
Washington, D.C. 20231

I hereby certify that this correspondence is being deposited with the
United States Postal Service as certified first class mail in an envelope
addressed to: Assistant Commissioner for Patents, Box Reissue,
Washington, D.C. 20231, on March 29, 2001.


DATE: March 29, 2001

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with Rules 56, 97 and 98 of the Rules of Practice in Patent Cases (37 C.F.R. §§1.56, 1.97 and 1.98), enclosed are copies of the materials on the accompanying Form PTO 1449 for consideration by the Examiner. None of these references is conceded to be prior art within the meaning of U.S. patent laws.

No fees should be due, but the Commissioner is authorized to charge any additional fees that may be due in connection with the filing of this paper or credit any overpayment to deposit account 11-0855.

Respectfully submitted,


Geoff L. Sutcliffe
Registration No. 36,348

OF COUNSEL:
KILPATRICK STOCKTON LLP
1100 Peachtree Street, Suite 2800
Atlanta, Georgia 30309-4530
(404) 815-6530

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NO.: L6780/251099	SERIAL NO.:
MATERIAL INFORMATION STATEMENT (Use several sheets if necessary)			APPLICANT: Steve W. Braun	
	FILING DATE: 03/28/01	GROUP:		

JC986 U.S. PTO
 09/820973

 03/29/01

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,883,217	05/13/75	Love et al.			
	3,936,141	02/03/76	Milton			
	4,054,366	10/18/77	Barnoski et al.			
	4,166,946	09/04/79	Chown et al.			
	4,234,969	11/18/80	Singh			
	4,249,266	02/03/81	Nakamori			
	4,301,543	11/17/81	Palmer			
	4,307,933	12/29/81	Palmer et al.			
	4,317,614	03/02/82	Palmer			
	4,366,565	12/28/82	Herskowitz			
	4,367,460	01/04/83	Hodara			
	4,423,922	01/03/84	Porter			
	4,446,515	05/01/84	Sauer et al.			
	4,457,581	07/03/84	Johnson et al.			
	4,482,980	11/13/84	Korowitz et al.			
	4,506,153	03/19/85	Ohno			
	4,543,574	09/24/85	Takagi et al.			
	4,554,511	11/19/85	Braun			
	4,577,184	03/18/86	Hodara et al.			
	4,595,839	06/17/86	Braun et al.			
	4,630,256	12/16/86	Albanese			
	4,671,608	06/19/87	Konish			
	4,674,830	06/23/87	Shaw et al.			
	4,717,229	01/05/88	Cutler			
	4,759,011	07/19/88	Hicks Jr.			
	4,756,595	07/12/88	Braun et al.			
	4,761,833	08/02/88	Epworth			
	4,786,130	11/22/88	Georgiou et al.			
	4,810,052	03/07/89	Fling			
	4,850,047	07/18/89	Iguchi et al.			
	4,883,335	11/28/89	Alfernness et al.			
	4,898,565	02/06/90	Braun			
	4,932,004	06/05/90	Hodara et al.			
	4,946,244	08/07/90	Schembri			
	5,046,137	09/03/91	Kurobe et al.			

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO.: L6780/251099	SERIAL NO.:
MATERIAL INFORMATION STATEMENT (Use several sheets if necessary)		APPLICANT: Steve W. Braun	
		FILING DATE: 03/28/01	GROUP:

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,058,974	10/22/91	Mollenauer			
	5,083,874	01/28/92	Aida et al.			
	5,117,303	05/26/92	Desurvire et al.			
	5,129,019	07/07/92	Robberg et al.			
	5,133,031	07/21/92	Tanaka et al.			
	5,179,603	01/12/93	Hall et al.			
	5,181,134	01/19/93	Fatehi et al.			
	5,187,605	02/16/93	Shikata et al.			
	5,212,577	05/18/93	Nakamura et al.			
	5,222,166	06/22/93	Weitha			
	5,307,197	04/26/94	Tanabe et al.			
	5,309,564	05/03/94	Bradley et al.			
	5,315,424	05/24/94	Boden et al.			
	5,317,580	05/31/94	Auffret et al.			
	5,347,384	09/13/94	McReynolds et al.			
	5,369,516	11/29/94	Uchida			
	5,412,746	05/02/95	Rossberg et al.			
	5,432,874	07/11/95	Muraguchi			
	5,479,082	12/26/95	Calvani et al.			
	5,533,153	07/02/96	Ota			
	5,539,558	07/23/96	Yonemura et al.			
	5,548,431	08/20/96	Shin et al.			
	5,572,612	11/05/96	Delavaux et al.			
	5,615,290	03/25/97	Harasawa et al.			
	5,664,035	09/02/97	Tsuji et al.			
	5,684,899	11/04/97	Ota			
	5,712,932	01/27/98	Alexander et al.			
	5,717,795	02/10/98	Sharma et al.			
	5,764,821	06/09/98	Glance			
	5,778,118	07/07/98	Sridhar			
	5,793,908	08/11/98	Mizuuchi et al.			
	5,796,890	08/18/98	Tsuji et al.			
	5,809,187	09/15/98	Peck, Jr. et al.			
	5,825,949	10/20/98	Choy et al.			
	5,838,989	11/17/98	Hutchison et al.			

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO.: L6780/251099	SERIAL NO.:
MATERIAL INFORMATION STATEMENT (Use several sheets if necessary)		APPLICANT: Steve W. Braun	
		FILING DATE: 03/28/01	GROUP:

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,943,148	08/24/99	Hamel et al.			
	6,014,481	01/11/00	Kremers			
	6,122,095	09/19/00	Fatchi			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	Appln. 0 069 356 A2	01/12/83	EPO			✓
	Appln 0 105 753 A2	04/18/84	EPO			✓
	Appln 0 164 652 A2	12/18/85	EPO			✓
	Appln 0 231 635 A2	08/12/87	EPO			✓
	Appln 0 356 090 A2	02/28/90	EPO			✓
	Appln 0 739 103 A2	10/23/96	EPO			✓
	Appln 0 744 797 A1	11/27/96	EPO			✓
	Appln 0 905 936 A2	03/31/91	EPO			✓
	PUB EP000103873A2	03/28/94	EPO			✓
	86-191340/30	06/13/86	France			✓
	DE 3807072 A1	08/04/88	Germany			✓
	DE 3938856 A1	11/23/89	Germany			✓
	DE 4331330 A1	09/15/93	Germany			✓
	DE 4427187 A1	02/08/96	Germany			✓
	7-202921	08/04/94	Japan			✓
	11-331224	03/31/99	Japan			✓
	2,087,679	05/26/82	U.K.			✓
	2,102,232	01/26/83	U.K.			✓
	2,189,961	11/04/87	U.K.			✓
	WO 93/03406	02/18/93	WIPO			✓

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

•	Stewart D. Personick, <i>Optical Fiber Transmission Systems 1 – 3</i> (1981)
•	H. Hodara and E. Miles, <i>High-Speed Local Area Networks</i> , Fiber and Integrated Optics 253 – 277 (1992)

Form PTO-1449 MATERIAL INFORMATION STATEMENT (Use several sheets if necessary)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO.: L6780/251099	SERIAL NO.:
		APPLICANT: Steve W. Braun		
		FILING DATE: 03/28/01	GROUP:	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)				
<p>N.A. Olsson, <i>Lightwave Systems With Optical Amplifiers</i>, Journal of Lightwave Technology 1071-1082 (July, 1989)</p> <p>ITU-T Recommendation G.681, Series G: Transmission Systems and Media, Digital Systems and Networks; Functional characteristics of interoffice and long-haul systems using optical amplifiers, including optical multiplexing (10/96)</p> <p>ITU-T Recommendation G.692, Series G: Transmission Systems and Media, Digital Systems and Networks; Optical interfaces for multichannel systems with optical amplifiers (10/98)</p> <p>Gordon Thomas, David A. Ackerman, Paul R. Prucnal, and S. Lance Cooper, <i>Physics In The Whirlwind of Optical Communications</i>, Physics Today 30-36 (Sept. 2000)</p> <p>Chart and figures for optical fiber cable and baseband transmission, available at http://www.microsoft.com/technet/WFW/wfw311_ch1.asp</p> <p>HDR 7.0 2 73; 7.0 Fiber Optic Ethernet -- Types FOIRL and 10 BASE-F available at http://www.uni-trier.de/infos/ether/ethernet-guide/ethernet-guide.html</p> <p>3.0 IEEE Acronyms available at http://spacey.net/lDavis/Design_Ethernet_Note.html</p> <p>Fibre Channel – Overview of the Technology, 09/09/2000, pp 1 – 9 available at http://fibrechannel.org/technology</p> <p>Bi-Directional Optical Backplane Bus for Board to Board Optoelectronic Interconnects, Gicheri Kim, Jinghuai Fa and Ray T. Chen, 1-4 (09/09/2000) available at http://ece.utexas.edu/projects/ece/mrc/profs/chen_projects/optbus/optbus.html</p> <p>SOME Bus (Simultaneous Optical Multiprocessor Exchange Bus)(09/09/2000) available at http://eb.uah.edu/~cohen/some_bus/some_bus.html</p> <p>Integrated Explorations of the Spectral, Temporal and Spatial Degrees of Freedom 1 (09/09/2000) available at http://thebusinessedge.com/reruns/cito/sargent/sld001.htm</p> <p>Challenges in IP LANs on Higher-Dimensional Encoding (slide 4) (09/09/2000) available at http://thebusinessedge.com/reruns/cito/sargent/sld004.htm</p> <p>0034-P PCI Fibre Channel Optical Host BUS Adapter 1- 4 available at http://solutions.sun.com/dbsearch/index.cgi?STATE=product&CMD=show&p_id=58181 (09/09/2000)</p> <p>Architectural and Engineering Issues for Building an Optical Internet 1 – 55 (09/09/00) available at http://www.canet3.net/papers/ArchandEngIssues.html</p> <p>Baker, <i>Monomode Fiber-Optic Design with Local- Area and Long-Haul Network Applications</i> 370-371</p> <p>Karim, Chaper 9: <i>Electro-Optical Devices and Systems</i>, Fiber-Optics-Based Devices and Systems 434-435</p> <p>Chinlon Lin, <i>Systems Applications of WDM Technologies in Optical Communications</i>, SPIE-International Society for Optical Engineering (Aug. 15-18, 1994)</p> <p>Manuel Lopez-Amo, Loudon T Blair & Paul Urquhart, <i>Wavelength-Division-Multiplexed distributed optical fiber amplifier bus network for data and sensors</i>, Optics Letter 1159-61(July 15, 1993)</p> <p>Francesco Matera & Marina Settembre, <i>Performance Evaluation of Optically Amplified Systems Operating in Optical Networks</i>, Microwave & Optical Technology Letters (Nov. 1996)</p> <p>Spirit et al., <i>140-km 20-Gbit/s repeaterless transmission employing distributed erbium amplification</i>, Optical Fiber Communication Conference (1992)</p>				
EXAMINER:	DATE CONSIDERED:			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				